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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/849,526A

DATE: 11/16/2001 TIME: 11:21:10

Input Set : D:\PA_00348.txt

Output Set: N:\CRF3\11162001\1849526A.raw



1 :110 - APPLICANT: Ruff, Thomas G. Shukla, Hridavabhiranjan pprox 120 - TITLE OF INVENTION. Nucleic Acid Molecules And Other Molecules Associated With -1 Plants 7 <130: FILE REPERENCE: 16517 250[38-21(51930)B] C--> 9 <140 > CURRENT APPLICATION NUMBER: US/09/849,526A 10 <141: CURRENT FILING DATE: 2001-05-07 12 <150: PRIOR APPLICATION NUMBER: US 60, 202, 214 13 <151: PRIOR FILING DATE 2000-05-08 15 <150: PRIOR APPLICATION NUMBER: US 09 654,617 16 <151: PRIOR FILING DATE: 2000-09-05 18 <150 PETOR APPLICATION NUMBER: US 09,684,016 19 <151 - PRIOR FILING DATE: 2000-10-10 2.1 1150 - PRIOR APPLICATION NUMBER: US 09 816,660 21 <151: PRIOR FILING DATE: 2001-03-26 24 <160% NUMBER OF SEQ ID NOS% 30131 26 <210. SEQ ID NO: 1 27 (211: LENGIH: 454 28 - 212 IYPE: DNA .213 GRGANISM Zea mays subsp. mexicana .220 - FEATURE .223 OTHER INFORMATION. Clone ID: uc-:mroteosinte002d05b1 4 34 (40) SEQUENCE: 1 #E glaggettigge tietectree octorgatic gagtinggat togtgaagit nicogaagit. 60 38 eggyttegty gytyagegya tegagatgye gyegteggat yttgagtaec getyettegt. 40 egyergeete goetgagesa eggaegassa eteneticeas aangeettea ghacetaegg-42 egaquitecte gagiceaaga teatectega teddgagada cadaagicere desdetting. 44 stieuteace fictoracaga aggagagaat gaggaaaagaa atagaaggaa igaaaaggaaa 46 agagitqaae qqieqeaaea teaccqteaa caaqqeecaa tecegegieg qeeqtgaagg 360 48 aggaugagae ggatacaata qtaquocqtqq aqqoqqoqqo taoggogatg qoqqqoqooq 420454 EU tgatuqegue qqeqqetaeg geqqtqqeuq euqe 53 <210° SEQ ID NO: 2 54 <211 ~ LENGIH: 456 55 < 212° TYPE: DNA 56 <213 ~ ORGANISM: Zea mays subsp. mexicana 58 <220> FEATURE 59 <223> OTHER INFORMATION: Clone ID: uC-zmroteosiate002d12b1 61.400° SEQUENCE: 2 63 tagangnata aangang taganggalog natagangang bacaagalaaa acattattag 65 cacqtqcqqt tqctcatcac actqactqca cottcatcaq qqtqtctqqt tctqaqttqq. ttoaqaaqta tastqqtgaq qqotoooqqa tqqftaqqqa actotitqst afqqobaqqq 69 addatigeage atocattata tittatggatg adattigacto tateggatet getagaatgg. 71 agrictiqqaac tqqcaacqqt gacaqtgaaq ficaqegtac tatgettqaa ettetaaace 300 73 agotoqatug tittgaagoa toaaacaaaa tiaaggittit gaiggcaacq aacagaatag. 360 75 acatitigga toaagoocti otgaggootg googoataga caggaagatt gaatttocaa. 420

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RAW SEQUENCE LISTING DATE: 11/16/2001
PATENT APPLICATION: US/09/849,526A TIME: 11:21:16

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= 204 thotalaagen tygaalyese caatgestat tythheaata caatsacaas hatsetat	
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/849,526A

PAIE: 11/16/2 11 TIME: 11:21:1.

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Gutput Set: N:\CRF3\11162001\1849526A.raw

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PAIFNI APPLICATION: US/09/849,526A

DATE: 11/16/2001 - TIME: 11:21:11

Input Set : D:\PA 00348.txt

Output Set: N:\CRF3\11162001\1849526A.raw

```
1:19 M:270 C: Current Application Number differs, Replaced Current Application Number
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID=:16
L:1044 M:341 W: (40) "n" or "Xaa" used, for SEQ ID#:38
L:1225 M:341 W:
                -45) "n" or "Xaa" used, for SEQ ID#:44
L:1407 M:341 W: (4n_1 "n" or "Xaa" used, for SEQ ID#:51
I. 1409 M:341 W: 45; "n" or "Xaa" used, for SEQ ID#:51
L 1411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L 1558 M 341 W
                .,46) "n" or "Xaa" used, for SEQ ID#:57
L 1600 M 541 W
                45) "n" or "Xaa" used, for SEQ ID#+58
                (45) "n" or "Xaa" used, for SEQ HD# 81
L 2164 M 341 W
                746) "n" or "Maa" used, for SED II# 84
L.2246 M 341 W
                 (46) "n" or "Xaa" used, for SEQ ID# 87
L.2328 M::41 W
                     "n" or "Xaa" used, for SEQ ID# 88
L 2358 M :41 W
                (46)
L 2390 M.341 W. (46)
                     "n" or "Xaa" used, for SEQ II)# 89
L.2455 M J41 W
                (4b) "n" or "Xaa" used, for SEQ III#:91
                (46) "n" or "Xaa" used, for SEQ II)# 98
L 2645 M 341 W
               (46) "n" or "Xaa" used, for SEQ ID# 116
L.3098 M.541 W
I. 320 × M. 41 W. (46) "n" or "Xaa" used, for SEQ ID# 120
  3205 \text{ M} + 341 \text{ W}
                (46) "n" or "Xaa" used, for SE⊋ ID# 120
                (46) "n" or "Xaa" used, for SE⊋ ID#.129
  3437 M 341 W
                =460 "n" or "Xaa" used, for SE⊊ II = 134
  3563 M 541 W
                46) "n" or "Xaa" used, for SEQ ID#:139
  -3705~M~541~W
  3345 M 341 W
                 (46) "n" or "Xaa" used, for SEQ II# 144
L 3996 M -41 W
                (46) "n" or "Xaa" used, for SEQ II(# 150
L 4305 M \pm41 W \pm ,46) "n" or "Xaa" used, for SEO III# 162
               -:46) "n" or "Xaa" used, for SEQ ID#.165
L 4391 M 241 W
L 4594 M 341 W
               (46) "n" or "Xaa" used, for SEQ II# 173
               (4t) "n" or "Xaa" used, for SEQ 1D# 173
L 4604 M.:41 W
L 4355 \text{ M} \pm 41 \text{ W}
                (46) "n" or "Xaa" used, for SEQ II(#.183
L 5194 M 341 W
                46) "n" or "Xaa" used, for SEO II#.197
                746) "n"
                         or "Xaa" used, for SE, ID# 200
  5228 M 341 W
  5335 M 341 W
                _{146}) "n" or "Xaa" used, for SEQ ID#:202
  =398 M ∃41 W
                -4€ "n" or "Xaa" used, for SEQ ID#.204
L.5339 M 341 W
               -{4€ - "n" or "Xaa" us∈d, for SEQ ID# 220
L:5841 M:341 W
                (4€) "n" or "Xaa" used, for SEQ ID# 220
L:6208 M 341 W
               (46) "n" or "Xaa" used, for SEQ ID# 236
                (46) "n" or "Xaa" used, for SEQ ID# 244
L 6403 H 341 W
L 6790 M 341 W
                (46) "n" or "Xaa" used, for SEQ ID# 260
L 6792 M.341 W:
                (46) "n" or "Xaa" used, for SEQ ID# 260
 6901 M 341 W: 346) "n" or "Xaa" used, for SEQ ID# 264
  7172 M 341 W: (46) "n" or "Xaa" used, for SEQ ID# 276
  7588 M 341 W: (46) "n" or "Xaa" used, for SEQ ID# 291
 7668 M 341 W: (46) "n" or "Xaa" used, for SEQ ID# 294
  7717 M 341 W: (46) "n" or "Xaa" used, for SEQ ID# 296
L 7749 M 341 W: (4() "n" or "Xaa" used, for SEQ ID# 297
L:7763 M 341 W: (46) "n" or "Xaa" used, for SEQ ID# 297
L:7781 M 341 W: (46) "n" or "Xaa" used, for SEQ ID# 298
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/849,526A TIME: 11:21:11

DATE: 11/16/2001

Import Set : D:\PA_00348.txt

Output Set: N:\CRF3\11162001\1849526A.raw

L:7795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID=:298 L:7896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID=:302 L:7968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID=:305